



# Masterseal<sup>TM</sup> Compact Ingress Protected IP66





### **Ingress Protected IP66**

The new and innovative Masterseal™
Compact range of switches and sockets from MK, has been specifically designed for use in either outdoor or indoor environments and in areas heavily exposed to dust and splashing water. Sealed to IP66 and tested by MK well in excess of British Standard, it will protect you and your electrical supply in the unfriendliest of environments.

In addition to its ease of installation, the range is aesthetically pleasing with a modern, slim and curved design, allowing the switches and sockets to blend easily with their surroundings.

#### Waterproof and Dustproof

Offers protection from strong jets of water from any direction, and protection from dust, sawdust and small particles

#### **Temperature Tolerant**

Reliable in operation during extremes of heat or cold

#### **Durable Material**

The use of high quality plastic prevents discoloration, cracking or fading in UV light

#### **Robust Construction**

A robust range of products made with polycarbonate, one of the toughest thermoplastics available in the world.





Water proof connection to safeguard home and family



Dust proof connection to safeguard work areas.



Masterseal<sup>TM</sup> Compact's unique design means socket outlets retain their IP66 rating when in use.





#### **Socket Outlets**

13 AMP & 15 AMP

#### **Switches**

10 AX







86480 WHI



86893 GRY



86401 GRY



86402 GRY



86486 TC GRY



86772 GRY



86893 TC WHI



86401 TC WHI



86402 TC WHI

86486 GRY 86486 WHI

13AMP 1 gang SP switched

86486 TC GRY 86486 TC WHI

13AMP 1 gang SP switched with Translucent Lid 86480 GRY 86480 WHI

13AMP 1 gang unswitched

86772 GRY 86772 WHI

86772 WHI 15AMP 1 gang unswitched 86893 GRY 86893 WHI

15AMP 1 gang switched

86893 TC GRY 86893 TC WHI

15AMP 1 gang switched with Translucent Lid 86401 GRY 86401 WHI

10AX 1 gang 2 way SP switch

86401 TC GRY 86401 TC WHI

10AX 1 gang 2 way SP switch with Translucent Lid 86402 GRY 86402 WHI

10AX 2 gang 2 way SP switch

86402 TC GRY 86402 TC WHI

10AX 2 gang 2 way SP switch with Translucent Lid



**(** 

# **Ingress Protected IP66**

#### **Switches**

10 AX

10 AMP

# Connection Unit

13 AMP

#### **Switch Modular**

20 AMP



86403 WHI



86407B GRY



86407PWHI



86072 WHI



86423 GRY



86403 TC GRY



86407BTCGRY



86407PTCGRY



86072 TC GRY



**(** 

86423 TC WHI

#### 86403 GRY 86403 WHI

10AX 3 gang 2 way SP switch

#### 86403 TC GRY 86403 TC WHI

10AX 3 gang 2 way SP switch with Translucent Lid

#### 86407B GRY 86407B WHI

10AMP 1 gang 1 way SP push switch marked 'BELL'

#### 86407B TC GRY 86407B TC WHI

10AMP 1 gang 1 way SP push switch marked 'BELL' with Translucent Lid

#### 86407P GRY 86407P WHI

10AMP 1 gang 1 way SP push switch marked 'PRESS'

#### 86407P TC GRY 86407P TC WHI

10AMP 1 gang 1 way SP push switch marked 'PRESS' with Translucent Lid

#### 86072 GRY 86072 WHI

13AMP switched fused connection unit with front flex outlet

#### 86072 TC GRY 86072 TC WHI

13AMP switched fused connection unit with front flex outlet with Translucent Lid

#### 86423 GRY 86423 WHI

1 gang 20AX DP switch with neon

#### 86423 TC GRY 86423 TC WHI

1 gang 20AX DP switch with neon and Translucent Lid







#### **Voice Outlet**

: RJ11







86503 GRY



**(** 

86432 GRY



86504 GRY



86817 GRY



86431 TC WHI



86503 TC WHI



86432 TC WHI



86504 TC GRY

#### 86431 GRY\* 86431 WHI\*

20AX 1 gang 2 way SP switch

#### 86431 TC GRY\* 86431 TC WHI\*

20AX 1 gang 2 way SP switch with Translucent Lid

#### 86503 GRY\* 86503 WHI\*

20AX 1 gang 1 way

#### 86503 TC GRY\* 86503 TC WHI\*

20AX 1 gang 1 way DP switch with Translucent Lid

#### 86432 GRY\* 86432 WHI\*

20AX 2 gang 2 way SP switch

#### 86432 TC GRY\* 86432 TC WHI\*

20AX 2 gang 2 way SP switch with Translucent Lid

#### 86504 GRY\* 86504 WHI\*

20AX 2 gang 1 way DP switch

#### 86504 TC GRY\* 86504 TC WHI\*

20AX 2 gang 1 way DP switch with Translucent Lid

#### 86817 GRY 86817 WHI

1 gang RJ11 4 Wire telephone socket



**(** 

# **Ingress Protected IP66**

# Socket Outlet

#### **Data & Voice Outlets**

#### Accessories

Frontplate

Data & Voice Module







86891 GRY



86450 WHI



A complete product of



SX5452 WHI



86837 WHI



86891 TC WHI



86451 WHI



SX5453 WHI

#### 86151 GRY\* 86151 WHI\*

16AMP 1 gang Schuko socket

#### 86837 GRY\* 86837 WHI\*

16AMP 1 gang unswitched International socket

#### 86891 GRY\* 86891 WHI\*

5AMP 1 gang SP switched socket outlet

#### 86891 TC GRY\* 86891 TC WHI\*

5AMP 1 gang SP switched socket outlet with Translucent Lid

#### 86450 GRY 86450 WHI

1 gang euro plate 1 module

#### 86451 GRY 86451 WHI

1 gang euro plate 2 modules

#### SX5452 WHI

1 module blank plate (For use with 86450 WHI/ 86451 WHI)

#### SX5453 WHI

1 module adaptor (For use with 86450 WHI/ 86451 WHI)









SX5454 WHI



MB86504 GRY



**(** 

56462 WHI



56460 WHI



9933



SX5455 WHI



MB86504 WHI



56463 WHI



56461 WHI



56464 WHI

SX5454 WHI

RJ45 CAT 5e Jack

**SX5455 WHI** 

RJ11 Jack

MB86504 GRY MB86504 WHI

1 gang back box

56462 BLK 56462 WHI

20mm plain conduit entry

56463 BLK 56463 WHI

20mm threaded conduit entry

56464 GRY 56464 WHI 20mm box coupler

56460 GRY 56460 WHI

Conduit entries-blank

56461 BLK 56461 WHI

Conduit entries-direct entry

9933

M20 earth lead adaptor



**(** 





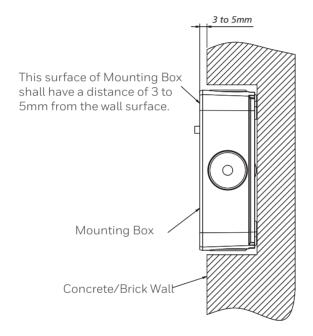


#### **TECHNICAL INFORMATION**

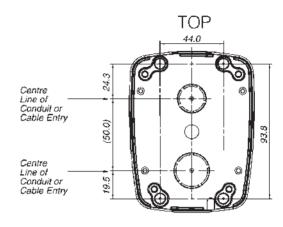
#### **Product Range Features**

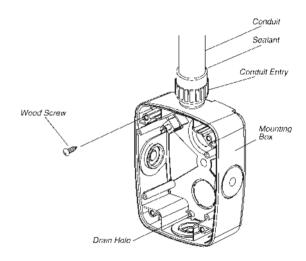
- Surface mounted and flush mounted products and associated service items are available.
- If flush mounting is intended, the conduit cable entry shall be installed from the rear of the mounting box.

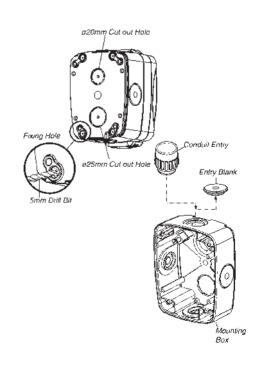
#### Flush Mounting Guide



- Suitable for indoor and outdoor use wherever dirt and moisture protection is required. All products accept MK push in conduit and cable entries.
- The use of Polycarbonate for the housing of the products created a robust range of switches and socket outlets.
- Provided all enclosure lids are closed and the products are correctly installed, the Masterseal<sup>TM</sup> Compact range offers an international protection code of IP66 when the products are in or out of use.
- Only plugs that have cable entry from a side edge will allow the lid to close correctly.
- All products conform to their relevant National standard as well as the standard for enclosures BSEN/IEC60529.
   13AMP Sockets conform to BS1363: Part 2, connection units to BS1363:Part 4 and switches to IEC60669-1.















#### **TECHNICAL INFORMATION**

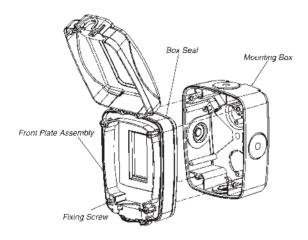
#### Service Items

LIST NO.	DESCRIPTION	DXHMM
56460	Entry Blank	26.9 dia x 5.25
56461	PVC Cable Entry	26.9 dia x 10.15
56462	20mm Plain Conduit Entry	26.9 dia x 28
56463	20mm Threaded Conduit Entry	26.9 dia x 28
56464	Box Coupler	26.9 dia x 16.5
9933	M20 Earth Lead Adaptor	

#### Safety Instructions

Switch off and isolate the mains supply before carrying out installation of the Masterseal  $^{\text{TM}}$  Compact product.

- The Masterseal<sup>™</sup> Compact Euro Data Enclosure 86540 and 86541 are intended for use with extra low voltage data and telephone modules. Data and telephone outlets must not be mixed with other modules intended for mains supply (110-250 VAC 50/60Hz).
- 2. This product should be installed by a competent person (eg. a qualified electrician).
- 3. It is essential that all connections are made as instructed, such that cables are not stressed and terminals are fully tightened.

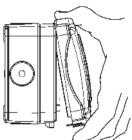


The box seal is attached on the front plate. Ensure the holes are aligned and the slot in the seal is aligned with the ribs on the mounting box.

Wire and fit the front plate. Ensure the seal is correctly located and no cables are trapped.

#### Method to Release Lid Latch





The full IP66 rating is only achieved when the lid is clipped in the closed position.

Do not operate with damp hands or whilst it is raining. For the enclosure of a socket-outlet, ensure the cable to the appliance is positioned so as to pass through the gel seal before closing the lid, thereby preventing accidental damage to the cable. The gel seal may stain the cable sleeve, this does not cause harm to the cable.

#### Specification

This product complies with the following standard.

General	BS 5733
13A Socket-outlet	BS 1363-2
15A Socket-outlet	BS 546
Connection Unit	BS 1363-4
Switch	IEC 60669-1
Environmental Protection	BSEN/IEC60529
Operating Temperature	-50C to +400C
Material	Polycarbonate UV stabilised

IP	6	6
Ingress protection	Dustproof to sawdust, dust and other small particles	Waterproof to strong jets of water, from any direction











#### Malaysia

#### Honeywell Environmental & Energy Solutions

Komplek Perusahaan LTAT Jalan Pengapit 15/19, 40000 Shah Alam Selangor Darul Ehsan, Malaysia Telephone (603) 5519 2549 Facsimile (603) 5510 8867

#### Singapore

# Honeywell Environmental & Energy Solutions 17 Changi Business Park Central 1,

Honeywell Building Singapore 486073 Telephone (65) 6714 6999 Facsimile (65) 6714 6998

#### Indonesia

#### PT Honeywell Indonesia

Graha Muncul Mekar Building, 1st Floor, Jalan Panjang No. 27, Arteri Kelapa Dua – Kebon Jeruk Jakarta Barat 11550, Indonesia Telephone (62) 021 536 52322 Facsimile (62) 021 536 71008

#### China

#### MK Electric (China) Ltd

21/F, Honeywell Tower, Olympia Plaza 255 King's Road, North Point, Hong Kong Telephone (852) 2331 9133 Facsimile (852) 2151 9465

#### Thailand

#### Honeywell Systems (Thailand) Ltd.

252/121 25th Floor Muang Thai-Phatra Office Tower II Ratchadapisek Road, Huay Khwang Bangkok, 10320 Telephone (662) 693 3099 Facsimile (662) 693 3989

#### Vietnam

#### Honeywell Environmental & Energy Solutions

(Ho Chi Minh Office)

Suite 11, 5th Floor, Crescent Plaza, 105 Ton Dat Tien, Tan Phu Ward, Dist. 7, Ho Chi Minh City, Vietnam Telephone (84) 8 54112260

#### (Hanoi Office)

Suite 1304, 13th Floor, Pacific Place Building, 83B Ly Thuong Kiet, Hoan Kiem, Hanoi, Vietnam Telephone (84) 4 39461348 Facsimile (84) 4 39461346

#### Myanmar

#### Honeywell Pte. Ltd.

(Yangon Branch)

No. 35 (C), U Kyaw Hla Street, 7th Mile, Yangon, Myanmar Telephone (95) 1 655692 Facsimile (95) 1 655692





